

Ultrastrike brassica.

Ultrastrike brassica seed treatment provides broad-spectrum protection against four economically damaging insect pests and common soil-borne diseases during plant establishment.

Ultrastrike seed treatment has been shown in trials to increase plant establishment and crop yield in comparison to untreated seed.



	PLANT PROTECTION	BENEFITS
INSECTICIDE	<ul style="list-style-type: none"> • Springtail • Aphids • Argentine stem weevil (adults and larvae) • <i>Nysius</i> (Wheat bug) 	<p>A systemic insecticide provides protection during the first six weeks post sowing. The chemical active-ingredient is taken up by the roots of the germinating seedling and translocated within the plant during early development.</p> <p>Under good growing conditions, Ultrastrike will provide 8-10 weeks protection against aphids, slowing the population build-up and reducing the risk of virus from vector carrying aphids.</p>
FUNGICIDE	<ul style="list-style-type: none"> • <i>Pythium</i> • <i>Fusarium</i> • <i>Rhizoctonia solani</i> 	<p>Two contact fungicides protect the seedlings from 'Damping Off' fungal pathogens during plant establishment. The fungicides form a protective barrier around the germinating seedling, protecting the young root system from fungal attack.</p>
NUTRIENT	<ul style="list-style-type: none"> • Molybdenum 	<p>The inclusion of molybdenum ensures that the placement of this important trace element is in close proximity to the establishing seedling, which helps boost plant growth. The addition of molybdenum also reduces the risk of 'whiptail' developing in a brassica crop, a condition which effects leaf development.</p>
BIRD REPELLANT		<p>The fungicide and colourant components in the seed treatment have properties that help deter birds from eating seed after planting.</p>

Note: In situations conducive to high nysius pressure, where a brassica crop is sown next to a lucerne crop or is established under hot, dry conditions, a foliar insecticide application may be necessary two or three weeks after sowing to enhance protection.



Talk to your local seed supplier about Ultrastrike brassica or phone us on 0800 805 505.

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Recommended Use: Ultrastrike brassica seed treatment is recommended for all spring and autumn sown brassica crops that are likely to face pressure from springtails, aphids, Argentine stem weevil, *nysius* or 'Damping Off' diseases during the establishment period.

Sowing Rate: Ultrastrike is a filmcote seed treatment, therefore apply the same sowing rate as for untreated seed.

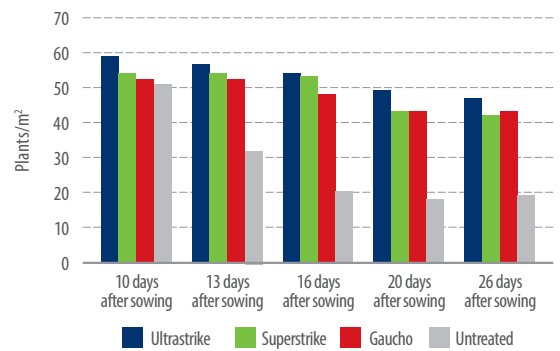
Withholding Period: Livestock should not graze Ultrastrike treated brassica crops in the first six weeks after planting.



Trial Data: *Brassica Establishment under Nysius Pressure*

This non-replicated split paddock trial in Taihape measured the effect of insects on the establishment of brassica seed. The trial was sown with Ultrastrike, Superstrike and Gaucho treated kale seed along with untreated kale seed. Plant measurements were undertaken at 10,13,16,20 and 26 days after sowing. Plant numbers were taken from a total of 5 fixed quadrats per treatment. At 12 DAS, a flight of *nysius* descended upon the paddock, significantly reducing the number of seedlings in the untreated area. Plant numbers in the treated seed plots held up well under the *nysius* pressure. An application of contact insecticide was applied 14 DAS.

(Trial conducted by PGG Wrightson Seeds)



Aphid Protection

This replicated field trial in Canterbury measured aphid populations in confinement following infestation with 56 cabbage aphids every 7 days over 10 weeks. The trial was sown with Ultrastrike treated and untreated kale seed. Aphid populations were measured at 3,5,7,9 and 11 weeks after sowing, with the Ultrastrike treated seed providing significantly improved protection against aphids up to 9 weeks after sowing.

(Trial conducted by PGG Wrightson Seeds)

